

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of illuminating an active matrix electroluminescent display device comprising an array of display pixels arranged in rows and columns, the method comprising acts of:

at any point in time;

~~simultaneously illuminating a plurality of rows of pixels;~~

forming at least two scrolling bands of a the plurality of simultaneously illuminated rows of pixels;

~~forming at least two bands separated by a second scrolling band formed of a plurality of non-illuminated plurality of rows of pixels for separating the at least two bands;~~
and

scrolling the at least two bands ~~scrolling~~ in the column direction over time such that they simultaneously change horizontal position from one time to a next time;

displaying image data for different frames of video in different of the at least two bands so that different parts of two adjacent frames are displayed at any one time,

wherein at most 75% of the rows of pixels are illuminated at any point in time.

2. (Previously presented) The method as claimed in claim 1, wherein each of the at least

two bands comprises a plurality of adjacent rows of pixels.

3. (Canceled)

4. (Previously presented) The method as claimed in claim 1, wherein each of the at least two bands comprises a plurality of sequential alternate rows of pixels.

5. (Previously presented) The method as claimed in claim 4, wherein one of the at least two bands comprises only odd rows and another of the at least two bands comprises only even rows.

6. (Previously presented) The method as claimed in claim 1, wherein at most 50% of the rows are illuminated at any point in time.

7. (Previously presented) The method as claimed in claim 6, wherein at most 30% of the rows are illuminated at any point in time.

8. (Currently amended) An active matrix electroluminescent display device comprising:

an array of display pixels arranged in rows and columns; and

row driver circuitry for simultaneously illuminating a plurality of rows of pixels,

forming at least two scrolling bands of a the plurality of simultaneously illuminated rows of pixels, forming at least two bands separated by a second scrolling band formed of a

plurality of non-illuminated rows of pixels for separating the at least two bands, the row driver circuitry illuminating each row of pixels for at most 75% of a frame period,

wherein the at least two bands

scroll in the column direction over time such that they simultaneously change horizontal position from one time to a next time, and

image data for different frames of video is displayed in different ones of the at least two bands so that different parts of two adjacent frames are displayed at any one time.

9. (Previously presented) The device as claimed in claim 8, further comprising a frame buffer for storing image data.

10. (Previously presented) The device as claimed in claim 9, wherein the frame buffer stores an amount of data corresponding to a single frame of the image data.

11. (Previously presented) The device as claimed in claim 10, wherein the image data is written into the frame buffer progressively frame by frame in sequence, such that the frame buffer stores partial image data for two adjacent frames, and wherein the image data is read out from the frame buffer at two locations simultaneously.

12. (Previously presented) The device as claimed in claim 11, wherein the two locations include image data from different adjacent frames of image data.

13. (Canceled).